

Enallagma pictum (Scarlet Bluet)

Priority 2 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Odonata* (Dragonflies And Damselflies)

Family: *Coenagrionidae* (Narrow-winged Damselflies)

General comments:

Regional endemic and <20 ponds in ME

Species Conservation Range Maps for Scarlet Bluet:

Town Map: [Enallagma pictum_Towns.pdf](#)

Subwatershed Map: [Enallagma pictum_HUC12.pdf](#)

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern: NA

Recent Significant Declines: NA

Regional Endemic:

Enallagma pictum's global geographic range is at least 90% contained within the area defined by USFWS Region 5, the Canadian Maritime Provinces, and southeastern Quebec (south of the St. Lawrence River).

Notes: Regional endemic and <20 ponds in

High Regional Conservation Priority:

Northeast Odonate Conservation Assessment:

Vulnerability: Moderate, Responsibility: Primary

High Climate Change Vulnerability: NA

Understudied rare taxa: NA

Historical: NA

Culturally Significant: NA

Professional Discretion:

Current criteria ranked *Enallagma pictum* as SGCN priority 1, however, species should be SGCN priority 2 based on professional discretion.

Justification: Northeast regional endemic and ranked as Moderately Vulnerable by White et al 2014; rare but potentially secure at approximately 20 lacustrine sites in ME.

Habitats Assigned to Scarlet Bluet:

Formation Name Boreal Upland Forest

Macrogroup Name Boreal Upland Forest

Habitat System Name: Acadian Low Elevation Spruce-Fir-Hardwood Forest **Notes:** secondary (riparian only)

Formation Name Freshwater Aquatic

Macrogroup Name Lakes and Ponds

Habitat System Name: Dystrophic **Notes:** sandy lakes with abundant aquatic floating and emergent vegetation

Habitat System Name: Eutrophic ****Primary Habitat**** **Notes:** sandy lakes with abundant aquatic floating and emergent vegetation

Habitat System Name: Mesotrophic or Intermediate ****Primary Habitat**** **Notes:** sandy lakes with abundant aquatic floating and emergent vegetation

Habitat System Name: Oligotrophic **Notes:** sandy lakes with abundant aquatic floating and emergent vegetation

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Macrogroup Name Emergent Marsh

Habitat System Name: Laurentian-Acadian Freshwater Marsh **Notes:** *sandy bottomed, often with narrow border of emergent sedges/grasses and much floating vegetation*

Macrogroup Name Wet Meadow-Shrub Marsh

Habitat System Name: Laurentian-Acadian Wet Meadow-Shrub Swamp **Notes:** *secondary (riparian only)***Formation Name Northeastern Upland Forest**

Macrogroup Name Central Oak-Pine

Habitat System Name: North Atlantic Coastal Plain Hardwood Forest **Notes:** *secondary (riparian only)*

Macrogroup Name Northern Hardwood & Conifer

Habitat System Name: Appalachian (Hemlock)-Northern Hardwood Forest **Notes:** *secondary (riparian only)*Habitat System Name: Laurentian-Acadian Pine-Hemlock-Hardwood Forest **Notes:** *secondary (riparian only)*Habitat System Name: Laurentian-Acadian Red Oak-Northern Hardwood Forest **Notes:** *secondary (riparian only)*Habitat System Name: Northeastern Coastal and Interior Pine-Oak Forest **Notes:** *secondary (riparian only)***Formation Name Northeastern Wetland Forest**

Macrogroup Name Northern Swamp

Habitat System Name: Laurentian-Acadian Alkaline Conifer-Hardwood Swamp **Notes:** *secondary (riparian only)*Habitat System Name: North-Central Appalachian Acidic Swamp **Notes:** *secondary (riparian only)*Habitat System Name: North-Central Interior and Appalachian Rich Swamp **Notes:** *secondary (riparian only)***Formation Name Peatland**

Macrogroup Name Northern Peatland & Fens

Habitat System Name: Boreal-Laurentian-Acadian Acidic Basin Fen **Notes:** *secondary (riparian only)*Habitat System Name: North-Central Interior and Appalachian Acidic Peatland **Notes:** *secondary (riparian only)***Stressors Assigned to Scarlet Bluet:**

Stressor Priority Level based on Severity and Actionability		Moderate Severity	High Severity
	Highly Actionable	Medium-High	High
	Moderately Actionable	Medium	Medium-High
	Actionable with Difficulty	Low	Low

IUCN Level 1 Threat Other Options**IUCN Level 2 Threat:** Lack of knowledge**Severity:** Moderate Severity**Actionability:** Highly actionable**Notes:** Lack of comprehensive survey effort to identify additional occurrences and determine species status**IUCN Level 1 Threat Natural Systems Modifications****IUCN Level 2 Threat:** Dams and Water Management-Use**Severity:** Moderate Severity**Actionability:** Moderately actionable**Notes:** Vegetated littoral zones sensitive to water level manipulation

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IUCN Level 1 Threat Pollution

IUCN Level 2 Threat: Agricultural and Forestry Effluents

Severity: Moderate Severity

Actionability: Moderately actionable

Notes: Aquatic larvae and submerged aquatic vegetation sensitive to pesticides

IUCN Level 2 Threat: Domestic and Urban Waste Water

Severity: Moderate Severity

Actionability: Moderately actionable

Notes: Aquatic larvae and submerged aquatic vegetation sensitive to water quality

IUCN Level 1 Threat Residential and Commercial Development

IUCN Level 2 Threat: Housing and Urban Areas

Severity: Moderate Severity

Actionability: Moderately actionable

Notes: Habitat loss and riparian zone degradation in an area of the state with relatively rapid development

Species Level Conservation Actions Assigned to Scarlet Bluet:

None. *Only species specific conservation actions that address high (red) or medium-high (orange) priority stressors are summarized here.*

Conservation Actions Associated with the Lacustrine Odonates Guild:

Conservation Action	Category: Research	Biological Priority: high	Type: new
Prepare a statewide atlas and conservation assessment.			
Stressor(s) Addressed By This Conservation Action			
Lack of knowledge			

Broad Taxonomic Group Conservation Actions:

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.